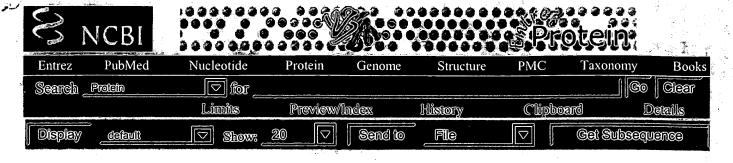


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ρSecTag2 A, B, & C								
				,				
*Account specific pricing and real time availability	will be displa	iyed once an ite	m nas been ac	ided to your d	order.			
Description			Catal	og No.	!	Size		
pSecTag2 and pSecTag2/Hygro are mammalian expres the secretion, purification, and detection of fusion prote large multiple cloning site in three reading frames to si with the N-terminal secretion signal. The vectors (Figu features:	eins. Each vec mplify cloning	tor has a g in frame	V9002	20	20 µg	ea.		
 Secretion signal from the V-J2-C region of th for efficient secretion of recombinant proteins 		ppa- chain		-				
 Cytomegalovirus (CMV) promoter for high-le expression 	evel constituti	ve						
■ C-terminal polyhistidine (6xHis) tag for rapid ProBond TM resin and detection with an Anti-								
■ C-terminal c-myc epitope for detection with a	ın Anti- <i>myc</i> A	ntibody						•
 Bovine growth hormone (BGH) polyadenylat termination sequence to enhance mRNA stab 		transcription						
SV40 origin for episomal replication and sim lines expressing the large T antigen (e.g. COS		cue in cell						•
The pSecTag2 vectors carry the Zeocin resistance ge	ene for cost-ef	fective						
selection in mammalian cells. Zeocin selection can a								
The pSecTag2/Hygro vectors have the hygromycin-B r selection of stable mammalian cell lines.	resistance gene	e for						
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Description 4.1		to e my três dê tilişê	Doo	Type	n Zerbasi	. jaji datan	6 45	
pSecTag2 A, B, and C				nual				
pSecTag A (replaced with pSecTag2)			Vec					······································



1: <u>NP_002765</u>. kallikrein 6 prep...[gi:4506155]

BLink, Domains, Links

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LOCUS
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DEFINITION
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  AUTHORS
            Magklara, A., Mellati, A.A., Wasney, G.A., Little, S.P.,
            Sotiropoulou, G., Becker, G.W. and Diamandis, E.P.
  TITLE
            Characterization of the enzymatic activity of human kallikrein 6:
            Autoactivation, substrate specificity, and regulation by inhibitors
            Biochem. Biophys. Res. Commun. 307 (4), 948-955 (2003)
  JOURNAL
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            GeneRIF: Characterization of the enzymatic activity of kallikrein
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            Mitsui, S., Okui, A., Uemura, H., Mizuno, T., Yamada, T., Yamamura, Y.
            and Yamaguchi, N.
  TITLE
            Decreased cerebrospinal fluid levels of neurosin (KLK6), an
            aging-related protease, as a possible new risk factor for
            Alzheimer's disease
  JOURNAL
            Ann. N. Y. Acad. Sci. 977, 216-223 (2002)
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            GeneRIF: Decreased cerebrospinal fluid levels may be a posssible
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 AUTHORS
            Hoffman, B.R., Katsaros, D., Scorilas, A., Diamandis, P.,
            Fracchioli, S., Rigault de la Longrais, I.A., Colgan, T., Puopolo, M.,
            Giardina, G., Massobrio, M. and Diamandis, E.P.
 TITLE
            Immunofluorometric quantitation and histochemical localisation of
            kallikrein 6 protein in ovarian cancer tissue: a new independent
            unfavourable prognostic biomarker
  JOURNAL
            Br. J. Cancer 87 (7), 763-771 (2002)
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            GeneRIF: Immunofluorometric quantitation and histochemical
            localisation of kallikrein 6 protein in ovarian cancer tissue: a
            new independent unfavourable prognostic biomarker.
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 AUTHORS
            Gomis-Ruth, F.X., Bayes, A., Sotiropoulou, G., Pampalakis, G.,
            Tsetsenis, T., Villegas, V., Aviles, F.X. and Coll, M.
            The structure of human prokallikrein 6 reveals a novel activation
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            mechanism for the kallikrein family
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            J. Biol. Chem. 277 (30), 27273-27281 (2002)
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            GeneRIF: X-ray crystallographic structure of KLK6.
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            Bernett, M.J., Blaber, S.I., Scarisbrick, I.A., Dhanarajan, P.,
            Thompson, S.M. and Blaber, M.
            Crystal structure and biochemical characterization of human
  TITLE
            kallikrein 6 reveals that a trypsin-like kallikrein is expressed in
            the central nervous system
  JOURNAL
            J. Biol. Chem. 277 (27), 24562-24570 (2002)
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            GeneRIF: characterization of human kallikrein 6 as a degradative
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            protease with structural features more similar to trypsin than the
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            Scarisbrick, I.A., Blaber, S.I., Lucchinetti, C.F., Genain, C.P.,
  AUTHORS
            Blaber, M. and Rodriguez, M.
            Activity of a newly identified serine protease in CNS demyelination
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            Brain 125 (Pt 6), 1283-1296 (2002)
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            GeneRIF: Kallikrein 6, a myelencephalon-specific protease expressed
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            Zarghooni, M., Soosaipillai, A., Grass, L., Scorilas, A., Mirazimi, N.
            and Diamandis, E.P.
            Decreased concentration of human kallikrein 6 in brain extracts of
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            Alzheimer's disease patients
  JOURNAL
            Clin. Biochem. 35 (3), 225-231 (2002)
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            GeneRIF: Decreased concentration of human kallikrein 6 in brain
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            extracts of Alzheimer's disease patients
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  AUTHORS
            Gan,L., Lee,I., Smith,R., Argonza-Barrett,R., Lei,H., McCuaig,J.,
            Moss, P., Paeper, B. and Wang, K.
  TITLE
            Sequencing and expression analysis of the serine protease gene
            cluster located in chromosome 19q13 region
            Gene 257 (1), 119-130 (2000)
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            Yousef, G.M., Luo, L.Y., Scherer, S.W., Sotiropoulou, G. and
  AUTHORS
            Diamandis, E.P.
  TITLE
            Molecular characterization of zyme/protease M/neurosin (PRSS9), a
            hormonally regulated kallikrein-like serine protease
  JOURNAL
            Genomics 62 (2), 251-259 (1999)
            20079158
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  AUTHORS
            Little, S.P., Dixon, E.P., Norris, F., Buckley, W., Becker, G.W.,
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            Hepburn,D., Corvalan,J., McClure,D., Liu,X., Stephenson,D.,
            Clemens, J. and Johnstone, E.M.
  TITLE
            Zyme, a novel and potentially amyloidogenic enzyme cDNA isolated
            from Alzheimer's disease brain
  JOURNAL
            J. Biol. Chem. 272 (40), 25135-25142 (1997)
  MEDLINE
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REFERENCE
            11 (residues 1 to 244)
  AUTHORS
            Yamashiro, K., Tsuruoka, N., Kodama, S., Tsujimoto, M., Yamamura, Y.,
            Tanaka, T., Nakazato, H. and Yamaguchi, N.
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Molecular cloning of a novel trypsin-like serine protease
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            (neurosin) preferentially expressed in brain
            Biochim. Biophys. Acta 1350 (1), 11-14 (1997)
  JOURNAL
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            97157069
   PUBMED
            9003450
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  AUTHORS
            Anisowicz, A., Sotiropoulou, G., Stenman, G., Mok, S.C. and Sager, R.
  TITLE
            A novel protease homolog differentially expressed in breast and
            ovarian cancer
  JOURNAL
            Mol. Med. 2 (5), 624-636 (1996)
  MEDLINE
            97053999
   PUBMED
            8898378
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            Summary: Kallikreins are a subgroup of serine proteases having
            diverse physiological functions. Growing evidence suggests that
            many kallikreins are implicated in carcinogenesis and some have
            potential as novel cancer and other disease biomarkers. This gene
            is one of the fifteen kallikrein subfamily members located in a
            cluster on chromosome 19. The encoded enzyme is regulated by
            steroid hormones. In tissue culture, the enzyme has been found to
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11
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